



United States Department of the Interior

GEOLOGICAL SURVEY

P. O. Box 26124
Albuquerque, New Mexico 87125

RECEIVED

MAR 30 1981

PUESLO OF LAGUNA
GOVERNOR'S OFFICE

March 23, 1981

Memorandum

To: Jackpile-Paguate EIS Task Force Members
From: Task Force Leader, USGS, South Central Region
Subject: Task Force Meeting

Confidential Claim Retracted

Authorized by: SC

Date: 4/25/13

The Jackpile-Paguate EIS Task Force will meet in Albuquerque, New Mexico, the week of April 21, 1981. A tentative agenda for the meeting is attached. All task force members should arrive on April 21 by 9:00 AM, at the following location:

Western Bank Building
505 Marquette, NW
Room 815

A block of hotel rooms has been set aside within walking distance of the Western Bank Building for all out of town task force members. If you would like a room reserved for you, or need any other assistance with travel arrangements, please contact Anita Bardtrief, FTS 474-2841, Ext. 64 (505) 766-2841, Ext. 64) before April 13, 1981.

Each task force member should bring the following:

1. A brief, typed description of his or her educational background and employment experience for inclusion in the EIS.
2. A list and description, if possible, of all data and reports that may be applicable to this EIS, which have been generated by their agency.
3. Hard-toed boots and old clothes for the mine inspection.

If you have any questions, please contact me.

Marc C Nelson

Marc Nelson



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CONFIDENTIAL

AGENDA

Tuesday, April 21 - Task Force Meeting. Meet at 9:00 AM,
Room 815, Western Bank Building.
Task Force Coordination.
Project Review.
Data Review.

Wednesday, April 22 - Mine Tour. Meet at 8:00 AM, Room 815,
Western Bank Building.

Thursday, April 23 - Anaconda Presentation (AM). Time
and place to be announced.
Discussion of Anaconda's proposal and
issues (PM) - Room 815, Western Bank
Building.

Friday, April 24 - Task Force Meeting.
Discussions of data needs.
Assignments of responsibilities, reports,
and deadlines.

AREAS OF RESPONSIBILITY

GEOLOGY: VERN SMITH, COORDINATOR

(Mining Engineer)

General Geology

Remaining Reserves

Proton .02 — .034 %

In Place

Elmer Santos

Geologic Hazards

Subsidence

Underground Entries

David Sitzler

SITE STABILITY: WAYNE LAMBERT, COORDINATOR

(Geomorphologist)

Highwalls

Bill Smith

Arroyo Cutting

Kit Fuller

Stream Stabilization

Overall Site Contouring

Wayne Lambert

Waste Pile Slopes

Wayne Lambert

Bill Smith

LAND USE: MARC NELSON, COORDINATOR

Aesthetics

Marc Nelson

On Site - Pre-mining

Off Site - Present

Laguna Pueblo

On Site - Present

David Sitzler

Cultural, Religious and Archeological

Values

Bill Allan

Long Term Monitoring and Procedures

Task Force

- archaeologist
VEGETATION: BILL SMITH, COORDINATOR

Natural Vegetation

Revegetation Areas

Soil Profile

range scientist
Noel Marsh

AIR AND WILDLIFE: MARC NELSON, COORDINATOR

Meteorology

John Andrews

Air Quality

Particulates

Other

EPA

John Andrews

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Wildlife
 Endangered Species
 Other

Gary Stephens

SOCIOECONOMICS: DENNIS UMSHLER, COORDINATOR

Present Conditions
 Impacts of Reclamation

CERT *(Contract)*

HYDROLOGY: DENNIS RISSE, COORDINATOR

Surface Water Quality
 Ground Water Quality
 Ground Water Quantity
 Sediment Contamination

Harold Zehner
 and
 WRD *and a Chemist*

RADIOLOGICAL ISSUES: MARC NELSON, COORDINATOR

Radon Emenation

EPA

Cleanup of On Site Buildings

EPA

Survey of Boulders Along Stream Channels

IHS, EPA

Off Site Contamination

Along Rail Spur

IHS, EPA

Homes

IHS, EPA

Airborne Gamma Survey

DOE

Ground Water Contamination

Backfilling with Ore Associated
 Waste

Harold Zehner

Precipitation Filtration Through
 Waste Piles

and
 WRD

Total Radiation Dose Calculations

Residents of Paguate

EPA

Homes On Site

Short Term On Site Use

~~Population Dose Impact~~

Human Food Chain

EPA

Note: need to talk w/ Don Hendricks & this

TASK FORCE REPORTS

<u>REPORT</u>	<u>DEADLINE</u>
1. Analysis of data adequacy and recommendations for obtaining additional data (one page maximum).	05-18-81
2. Outline of the report on existing conditions (two page maximum). <i>in the area you are going to write-on.</i>	05-18-81
3. Draft report on existing conditions.	06-15-81
4. Recommendations for alternatives to Anaconda's proposal.	07-15-81
✓ 5. Final report on existing conditions.	07-15-81
6. Outline of a report on the impacts of Anaconda's proposal and the alternatives selected (two page maximum).	08-01-81
7. Draft report on the impacts of Anaconda's proposal and the alternatives selected.	09-01-81
8. Recommendations for long-term monitoring needs and procedures.	'10-01-81
✓ 9. Final report on the impacts of Anaconda's proposal and the alternatives selected.	10-01-81
10. Internal review of preliminary draft EIS.	02-01-82
11. Review of draft EIS and public comments.	?

JACKPILE-PAGUATE EIS
TASK FORCE MEETING

AGENDA

TUESDAY, APRIL 21:

9:00am - Nambe Room, Albuquerque Convention Center

Project Review

Administrative Procedures

EIS Preparation Process

Lunch Break - 11:30am

12:30pm - Reconvene in Nambe Room:

Report Preparation

Data Review

WEDNESDAY, APRIL 22:

8:00am, Room 815, Western Bank Building, 505 Marquette NW:

Comprehensive Tour of the Jackpile-Paguate Mine (Surface Only)

Lunch Break - 12:00pm (Bibo - Of Course)

1:00pm - Continue Mine Tour

4:00pm - Return to Albuquerque

THURSDAY, APRIL 23:

9:00am - Navajo Room, Albuquerque Convention Center

Anaconda Presentation of their Reclamation Proposal

Lunch Break - 11:30am

12:30pm - Reconvene in Navajo Room

Laguna Pueblo, Environmental Protection Agency, and Indian
Health Service Discussions of Radiological Studies

2:00pm - Task Force Discussions of Anaconda's Proposal

FRIDAY, APRIL 24:

9:00am - Navajo Room, Albuquerque Convention Center

Discussions of Additional Data Needs

Assignment of Responsibilities, Reports, and Deadlines

1:00pm - Adjournment.

KEY ISSUES AND CONCERNS:

The initial technical evaluation of the project and the scoping meetings with the public, Laguna Pueblo, the Anaconda Copper Company, and various government agencies have resulted in the identification of the following as the key issues and concerns for the EIS. It is recognized that additional technical evaluation and consultation with interested parties may require that issues be added to, or deleted from this list at any time during the preparation of the EIS.

Radiological Issues:

- a gas w/ Alpha factors & is inhaled*
1. Radon releases from the disturbed areas.
 2. Surface water contamination.
 3. Sediment contamination.
 4. Ground water contamination.
 5. Contamination of on site buildings.
 6. Contamination of the human food chain.
 7. Contamination from the highgrade boulders along the Rio Paguete and Rio Moquino.
 8. Off site contamination: *145 feet & more widespread*
 - a. Homes in Paguete.
 - b. Ore spillage along rail spur.
 - c. General area. *airborne gamma survey of around 75 sq. mis.*
 9. Total radiation doses from all exposure pathways.

Non-radiological Issues:

10. Future recovery of remaining reserves:
 - a. Unmined reserves.
 - b. Protore disposition.
11. Abandonment of underground entries (vent holes, shaft, decline, and adits).
12. Subsidence from underground mining operations.
13. Disposition of highwalls.
14. Site stabilization:
 - a. Stabilization of Rio Moquino and Rio Paguate channels.
 - b. Stabilization of waste pile slopes.
 - c. Overall site drainage.
 - d. Arroyo cutting.
15. Siltation of Quirk reservoir.
16. Contamination of surface and ground waters.
17. Dispersion of airborne particulates during reclamation.
18. Revegetation of disturbed areas:
 - a. Construction of a productive soil profile.
 - b. Toxic element concentration.
 - c. Species propagation.
19. Protection of wildlife:
 - a. Habitat construction.
 - b. Endangered species.
20. Protection of cultural, religious, and archaeological sites.
21. Socioeconomic impacts: *of reclamation*
 - a. Laguna employment during reclamation.
 - b. Structural damage to Paguate homes.
 - c. Alteration of Laguna lifestyle

22. Aesthetic impacts.

23. Future land use:

a. Grazing.

b. Buildings.

c. Farming. *along Rio Paganate*

d. Disposition of non-inhabitable surface structures (rail spur, power lines, etc.).

e. Home construction site. .

25. Long-term monitoring needs and procedures.

Recommendations